

74W-123 - G180



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of)
ROGER PHILIP EKINS and)
FREDERICK CHU)
Serial No. 08/211,800)
Filed: April 14, 1994)
For: BINDING ASSAY EMPLOYING)
LABELLED REAGENT)

Group Art Unit: 1807

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3-27-95

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SECOND PRELIMINARY AMENDMENT

Please add the following new claims to the above-identified patent application as follows:

29. A binding assay process in which the concentrations of a plurality of analytes in a liquid sample are determined by comparison with dose-response curves computed from standard samples,

using plurality of capture binding agents, each binding agent having binding sites specific for a different analyte in the sample, and a plurality of developing binding materials, each developing binding material capable of binding with a given bound analyte or with the binding sites on a given capture binding agent occupied by the bound analyte or with the binding sites remaining unoccupied on a given capture binding agent,

the capture binding agent specific for a given analyte being used in a small amount such that each capture binding agent has at most only an insignificant effect on the concentration of the analyte in the sample for which it is specific, the capture binding agent being immobilized on a solid support in the form of one or more microspots, and

a universal marker reagent being used in the assay as a label in relation to the developing binding materials whereby the strength of the signal associated with the label is representative of the fractional occupancy of the binding sites on a given capture binding agent by the analyte,

wherein the universal marker reagent comprises

020 AA 03/23/95 08211800	1 102	74.00 CK
020 AA 03/23/95 08211800	1 103	66.00 CK
CE14004 03/23/95 08211800	04-1406 140 102	4.00CH



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